From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

BRAD A. ARMSTRONG P.O. BOX 1419 PARADISE, CA 95967

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

FIB

(PCT Rule 71.1)

Date of Mailing (day/month/year)

19 APR 2002 Applicant's or agent's file reference IMPORTANT NOTIFICATION International filing date (day/month/year) Priority date (day/month/year) International application No. 06 December 1999 (06.12.1999) 05 July 1996 (05.07.1996) PCT/US99/28913 Applicant BRAD A. ARMSTRONG

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

REMINDER -

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks

Washington, D.C. 20231

Facsimile No. (703)305-3230 Form PCT/IPEA/416 (July 1992) Authorized office

Jeffery A. Brier

Telephone No.

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

FOR FURTHER ACTION Section Preliminary Examination Report (Form PCT/IPEA/416) International application No. International filing date (day/month/year) Priority Pr						
December 1999 (06.12.1999) O5 July 1996 (05.07.1996) International Patent Classification (IPC) or national classification and IPC IPC(7): G09G 5/08; G06K 11/18; G06F 3/02 and US Cl.: 345/161, 168 Applicant BRAD A. ARMSTRONG 1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT) These annexes consist of a total of Sheets. 3. This report contains indications relating to the following items: 1 Basis of the report Priority Priority						
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II Priority						
III Non-establishment of report with regard to novelty, inventive step and industrial applicability						
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IV Lack of unity of invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial						
applicability; citations and explanations supporting such statement						
VI Certain documents cited						
VII Certain defects in the international application						
VIII Certain observations on the international application						
•						
Date of submission of the demand Date of completion of his report						
26 June 2001 (26.06.2001) 26 March 2002 (26.03.2002)						
Name and mailing address of the IPEA/US Authorized officer						
Commissioner of Patents and Trademarks Box PCT Westigned D. C. 20221						
Washington, D.C. 20231 Facsimile No. (703)305-3230 Telephone No. (703) 305-3800						

Form PCT/IPEA/409 (cover sheet)(July 1998)

	IN	TERNATIONAL PRELIMINARY EXAMINATION REPORT	PCT/US99/28913		
I.	Basi	s of the report			
1.	With	regard to the elements of the international application:*			
		the international application as originally filed.			
	\boxtimes	the description:			
		pages 1-54 as originally filed	·		
		pages NONE , filed with the demand pages NONE , filed with the letter of			
	\boxtimes	the claims:	·		
	لاكا	pages NONE , as originally filed			
		pages NONE , as amended (together with any statement pages 55-76 , filed with the demand	nt) under Article 19		
		pages 55-76 , filed with the demand pages NONE , filed with the letter of			
	\boxtimes	the drawings:			
	لك	pages 1-40 , as originally filed			
		pages NONE , filed with the demand pages NONE , filed with the letter of			
	\Box				
	لــا	the sequence listing part of the description: pages NONE , as originally filed			
		pages NONE, filed with the demand	·		
		pages NONE , filed with the letter of	"I I I as Comished to this Authority in the		
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:				
		the language of a translation furnished for the purposes of intern	national search (under Rule23.1(b)).		
		the language of publication of the international application (under			
		the language of the translation furnished for the purposes of inte 55.2 and/or 55.3).			
3.	With inter	h regard to any nucleotide and/or amino acid sequence disclose mational preliminary examination was carried out on the basis of	ed in the international application, the the sequence listing:		
		contained in the international application in printed form.			
		filed together with the international application in computer rea	dable form.		
		furnished subsequently to this Authority in written form.			
		furnished subsequently to this Authority in computer readable f			
		The statement that the subsequently furnished written sequence international application as filed has been furnished.			
		The statement that the information recorded in computer readal has been furnished.	ole form is identical to the written sequence listing		
4.		The amendments have resulted in the cancellation of:			
		the description, pages NONE			
		the claims, Nos. NONE			
		the drawings, sheets/fig NONE			

This report has been established as if (some of) the amendments had not been made, since they have been considered to go

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
STATEMENT					
Novelty (N)	Claims Please See	Continuation Sheet	YES		
noted (14)	Claims Please See	Continuation Sheet	NO		
Various Coom (IC)	Claims Please See	Continuation Sheet	YES		
Inventive Step (IS)		Continuation Sheet	NO		
	Citation Plans Co	e Continuation Sheet	YES		
Industrial Applicability (IA)		e Continuation Sheet	NO		
	or PCT Article 33(2) as be	ing anticipated by Sekine, U.S.	Patent No.		
Claims 48, 56, and 101-107 lack novelty under 5,898,425. Figures 2 and 3 illustrate a pivotal for a computer where pointing devices control received with the Demand applicant stated the However, claims 101-104 do not have all the Claims 72-82 lack novelty under PCT Article 3 reference describes a 6 DOF image controlle 29-31 describes variable sensitive sensors arpressing from the user. Claims 12-25 and 29-38 lack an inventive ste 5,589,828. Armstrong does not explicitly de axes input structures. This would have been being used in the joystick envirnoment which joystick handle. Claims 39-47, 97-100, and 108-119 meet the or fairly suggest a sheet supporting the sens	the movement of a point at "claims 97-119 are ider limitations of the patented 33(2) as being anticipated r. Col. 8 lines 26-30 desend figure 2 shows several ep under PCT Article 33(3) scribe having a finger dep to obvious because Armstron is known to have finger extreme extreme set out in PCT Article sors for the joystick handles	er on a display device. In the policial to those issued in my U.S. I claims and are fully met by this I by Armstrong, U.S. Patent No. cribes break over tactile feedback buttons 102, 114, and 106 which is as being obvious over Armstrong suggests by describing the depressible independent button in the depressible independent button.	paper from applicant Patent 6,222,525". seference. 5,565,891. This ck and col. 11 lines the receive variable and, U.S. Patent No. addition to the two-input structures as in addition to the		
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Form PCT/IPEA/409 (Box V) (July 1998)

in leanalional preliminary examination report

PCT/US99/28913

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

The description is objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 5 because it fails to adequately enable practice of the claimed invention because: The first button structured to rotate upon depression by a finger causing a proportional sensor to be activated and a second button structured to rotate upon depression by a finger causing a proportional sensor to be activated were not described and enabled in the specification. In figure 28 and at page 43 lines 4-7 and 9-12 and at page 37 lines 18-27 applicant described a button structure 376 which rotates about an integrated cylindrical fulcrum 380 to activate sensor 384. The sensor was not described as being a proportional sensor. Thus, the specificatin did not enable a rotating button producing a proportional electrical output.

Claims 1-11, 95 and 96 are objected to as lacking clarity under PCT Rule 66.2(a)(v) because practice of the claimed invention is not enabled as required under PCT Rule 5.1(a) for the reasons set forth in the immediately preceding paragraph.

Form PCT/IPEA/409 (Box VIII) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT	PCT/US99/28913							
Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)								
V.1. Reasoned Statements: The opinion as to Novelty was positive (Yes)with respect to claims 1-11, 12-2 The opinion as to Novelty was negative (No) with respect to claims 1-13 The opinion as to Inventive Step was positive (Yes)with respect to claims 12- The opinion as to Inventive Step was negative(NO) with respect to claims 12- The opinion as to Industrial Applicability was positive (YES) with respect to cl The opinion as to Industrial Applicability was negative(NO) with respect to cl	1, 39-47, 95, 96, 97-100, and 106-115. 38, 48-94 and 101-107.							

Form PCT/IPEA/409 (Continuation Sheet) (July 1998)